

ABSTRACT OF THE DISCLOSURE

A failure detection device for detecting a failure of a rotation angle detection sensor, which sensor detects a rotational angle through which a rotary member has rotated, the failure detection device including a first detection element which has an output which increases as the rotational angle of the rotary member increases, a second detection element which has an output that decreases as the rotational angle of the rotary member increases, and a detecting unit that detects the failure of either the first detection element or the second detection element by comparing a calculated value, based on the outputs of both of the first and second detection elements, with at least one predetermined value.